

the Secretary on 16th May 1956. The paper so submitted was as follows :—

Proposed addition to the " Official List of Family-Group Names in Zoology " or, as the case may be to the " Official Index of Rejected and Invalid Family-Group Names in Zoology " of family-group names involved in the cases dealt with in Volume 12 of the " Opinions and Declarations " Series (" Opinions " 380—400)

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(*Secretary to the International Commission on Zoological Nomenclature*)

The purpose of the present paper is to lay before the International Commission on Zoological Nomenclature the family-group-name problems involved in the cases dealt with in *Opinions* 380 to 400 which collectively will form volume 12 of the *Opinions and Declarations* Series and to seek decisions from the Commission in those cases where, under the General Directive issued to the Commission by the International Congress of Zoology, names required to be placed on the *Official List of Family-Group Names in Zoology* or on the *Official Index of Rejected and Invalid Family-Group Names in Zoology*.

2. Of the *Opinions* covered by the present paper ten have so far been published and the remaining eleven are now in the press and would have been published before now, had it not been for the delays resulting from the recent strike in the London printing trade. Of the ten *Opinions* already published the first four (*Opinions* 380—382) appeared in January 1956 and copies are already in the hands of members of the Commission ; the remaining six (*Opinions* 384—389) were published on 20th April 1956 and copies are in transit to Commissioners. In order to facilitate the consideration of the proposals now submitted in connection with these six *Opinions* and also those connected with the eleven *Opinions* now in the press,¹ particulars are given in the present paper both of the place of publication in the *Bulletin of Zoological Nomenclature* of the application concerned and the number of the Voting Paper issued in connection with it.

3. As on previous similar occasions consultations have been held in each case with specialists in the group concerned and the Commission is much indebted to these specialists for the assistance which they have given in supplying the necessary information and in co-operating in the preparation of the proposals now submitted. The names of the specialists who have assisted in this matter are given in the following list, together with an indication of the cases on which each has given advice :—

J. Wyatt Durham (*University of California, Department of Paleontology, Berkeley, California, U.S.A.*) : *Mellita* Agassiz (*Opinion* 393) ;

¹ The eleven *Opinions* here referred to have since been published. *Opinions* 390—393 were published on 19th June 1956 and *Opinions* 394—400 were published on 16th July of the same year.

- L. Forcart (*Museum of Natural History, Basle, Switzerland*): *Pyramidella* Lamarck (*Opinion* 386);
- Francis Hemming (London): *Heliconius* Kluk (*Opinion* 382); *Melanargia* Meigen (*Opinion* 400);
- L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*): *Sicyonia* Milne Edwards (H.) (*Opinion* 382); *Hymenocera* Latreille and *Conchodytes* Peters (*Opinion* 383);
- G. H. E. Hopkins (*British Museum (Natural History), The Zoological Museum, Tring, Herts, England*): *Chaetopsylla* Kohaut, *Malaraeus* Jordan, and *Amalaraeus* Ioff (*Opinion* 388);
- F. C. Hottes (*Grand Junction, Colorado, U.S.A.*): *Hyalopterus* Koch (*Opinion* 397); *Lachnus* Burmeister & *Cinara* Curtis (*Opinion* 399);
- Arthur Loveridge (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*): *Dasypeltis* Wagner (*Opinion* 387);
- A. K. Miller (*State University of Iowa, Iowa City, Iowa, U.S.A.*): *Muensteroceras* Hyatt (*Opinion* 391); *Sandbergeroceras* Hyatt (*Opinion* 392);
- Harald A. Rehder (*Smithsonian Institution, (U.S. National Museum), Washington, D.C., U.S.A.*): *Pyramidella* Lamarck (*Opinion* 386).

4. The family-group-name position involved in each of the *Opinions* concerned is examined in turn in the Annexe to the present paper. Proposals are submitted in the Annexe in each case where action is called for under the General Directive referred to in paragraph 1 above but has not yet been taken.

ANNEXE

Survey of the family-group-name problems involved in the "Opinions" included in volume 12 of the "Opinions and Declarations" Series ("Opinions" 380—400) with proposals for action in compliance with the General Directive relating to the placing of family-group names on the "Official List" and "Official Index" of names of that category, where such has not already been taken

OPINION 380 (Houttuyn's *Animalium Musaei Houttuiniani Index*)

No family-group-name problems arise in connection with this *Opinion*.

OPINION 381 (Suppression of two old and forgotten specific names in order to render the name *hispidus* Olivier, 1811, as published in the combination *Palaemon hispidus* the oldest available name for the species concerned)

This *Opinion* is concerned only with specific-name problems.

OPINION 382 (*Sicyonia* Milne Edwards (H.), 1830 (Class Crustacea, Order Decapoda) and *Heliconius* Kluk, 1802 (Class Insecta, Order Lepidoptera))

(1) Action called for in respect of the Crustacea Section of this *Opinion* is as follows :—

(a) To be placed on the *Official List* :—

SICYONIINAE (correction of SICYONINAE) Ortmann, 1898, in Bronn, *Klass. Ordn. Thierr.* 5 (2) : 1121 (type genus : *Sicyonia* Milne Edwards (H.), 1830)

(b) To be placed on the *Official Index* :—

(i) SICYONINAE Ortmann, 1898 [reference as in (a) above] (an Invalid Original Spelling for SICYONIINAE)

(ii) EUSICYONINAE Burkenroad, 1934, *Bull. amer. Mus. nat. Hist.* 68 : 116 (type genus : *Eusicyonia* Stebbing, 1914) (a junior objective synonym of SICYONINAE Ortmann, 1898, the respective type genera having the same nominal species as type species)

(2) Action called for in respect of the Lepidoptera Section of this *Opinion* is as follows :—

(a) To be placed on the *Official List* :—

HELICONIIDAE (correction of HELICONIDAE) Swainson, 1827, *Phil. Mag.* (n.s.) 1 : 187 (type genus : *Heliconius* Kluk, 1802)

(b) To be placed on the *Official Index* :—

HELICONIDAE Swainson, 1827 [reference as in (a) above] (an Invalid Original Spelling for HELICONIIDAE)

OPINION 383 (*Hymenocera* Latreille, 1819)

No family-group-name problem arises in this case.

OPINION 384 (addition of the names of fifty-two genera of Carnivora to the *Official List of Generic Names in Zoology*)

A considerable number of family-group-name problems arises in this case. Proposals in regard to this matter are being submitted separately with Voting Paper V.P.(O.M.)(56)9.

OPINION 385 (specific names for the Common Garter Snake of the Eastern United States and for the Eastern Ribbon Snake of North America)

Opinion published on 20th April 1956 ; application published in *Bull. zool. Nomencl.* 2 : 67—68 ; the main decision on this case taken on Voting Paper V.P.(53)1 ; a supplementary decision taken on Voting Paper V.P.(O.M.)(55)8.

This *Opinion* is concerned only with specific-name problems.

OPINION 386 (*Pyramidella* Lamarck, 1799)

Opinion published 20th April 1956; application published in *Bull. zool. Nomencl.* **6** : 346—347; decision taken on Voting Paper V.P.(54)50.

A family-group name based upon the generic name *Pyramidella* Lamarck was published independently in 1840 by two authors, namely (i) PYRAMIDELLIDAE Gray (J.E.), 1840, *Syn. Contents Brit. Mus.* (ed. 42) :148, and (ii) PYRAMIDELLIDAE d'Orbigny, [1840], *Voy. Amer. Merid.* **5** (3) : 396. Gray's publication of this name is superior to that by d'Orbigny because he gave a proper diagnosis which d'Orbigny did not. Moreover, Gray's book, which is easily accessible, is known beyond question to have been published in 1840, while the date for the relevant portion of d'Orbigny's much scarcer book is an attributed date and the possibility that it was not actually published until 1841 cannot be altogether excluded. For these reasons the consultants recommend that this name be accepted as having been first published by Gray.

As regards the family-group name PLOTIIDAE based upon the generic name *Plotia* Röding, 1798, it should be noted that, as this generic name has been suppressed under the Plenary Powers, the family-group name based upon it has *ipso facto* been automatically suppressed also under the provisions of *Declaration 20* (1955, *Ops. Decls. int. Comm. zool. Nomencl.* **10** (19) : i—viii). In the present case there is also a different and prior reason why the name PLOTIIDAE as published by Forcart in 1951 is not acceptable as a name. Forcart in the paper in question was advocating the suppression of the name *Plotia* Röding in favour of *Pyramidella* Lamarck and in doing so observed—by way of showing the absurdity of accepting the name *Plotia*—that, if this course were to be adopted, it would be necessary to change the family name from PYRAMIDELLIDAE to PLOTIIDAE. The latter name, so published, was clearly not published with a view to its being used in zoological nomenclature (1953, *Copenhagen Decisions zool. Nomencl.* : 63, Decision 114).

Action called for :—

(a) To be placed on the *Official List* :

PYRAMIDELLIDAE Gray (J.E.), 1843 [reference as above] (type genus : *Pyramidella* Lamarck, 1779)

(b) To be placed on the *Official Index* :

PLOTIIDAE Forcart (L.), 1951, *Berichtig. Arch. Moll.* **80** (1/3) : 86 (type genus : *Plotia* Röding, 1798) (invalid (i) because published for a purpose other than for use in Zoological nomenclature and (ii) under *Declaration 20* because the name of type genus has been suppressed under the Plenary Powers).

OPINION 387 (*Dasyveltis* Wagler, 1830)

Opinion published 20th April 1956 ; application published in *Bull. zool. Nomencl.* 6 : 347—348 ; decision taken on Voting Paper V.P.(54)51.

Name required to be placed on the *Official List* :

DASYVELTINAE Cope, 1886, *Proc. amer. phil. Soc.* 23 : 494 (type genus : *Dasyveltis* Wagler, 1830).

The name *Anodon* Smith, 1829, also dealt with in this *Opinion*, has not been taken as the base for a family-group name.

OPINION 388 (suppression of *Trichopsylla* Kolenati, 1863)

Opinion published 20th April 1956 ; application published in *Bull. zool. Nomencl.* 6 : 349—352 ; decision taken on Voting Paper V.P.(54)52.

No family-group-name problem arises in connection either (a) with the name *Trichopsylla* Kolenati, 1863, suppressed under the Plenary Powers in this *Opinion* or (b) with any of the following names, each of which was placed on the *Official List of Generic Names in Zoology* in this *Opinion* : *Chaetopsylla* Kohaut, 1903 ; *Malaraeus* Jordan, 1933 ; *Amalaraeus* Ioff, 1936.

OPINION 389 (two long-overlooked specific names for fleas)

Opinion published 20th April 1956, application published in *Bull. zool. Nomencl.* 6 : 353—354 ; decision taken on Voting Paper V.P.(54)53.

This *Opinion* is concerned exclusively with the status of certain specific names.

OPINION 390 (specific name *simus* Linnaeus, 1767, as published in the combination *Coluber simus*)

Application published in *Bull. zool. Nomencl.* 6 : 354—355 ; decision taken on Voting Paper V.P.(54)54.

This *Opinion* is concerned exclusively with the interpretation of a specific name.

OPINION 391 (*Muensteroceras* Hyatt, 1884)

Application published in *Bull. zool. Nomencl.* 6 : 356—357 ; decision taken on Voting Paper V.P.(54)55.

The generic name *Muensteroceras* Hyatt, 1884, has not been taken as the base for a family-group name.

OPINION 392 (*Sandbergeroceras* Hyatt, 1884)

Application published in *Bull. zool. Nomencl.* 6 : 357—358 ; decision taken on Voting Paper V.P.(54)56.

Name required to be placed on the *Official List* :

SANDBERGEROCERATINAE Miller (A.K.), 1938, *Geol. Soc. Amer. Spec. Pap.* 38 : 24, 178 (type genus : *Sandbergeroceras* Hyatt, 1884)

OPINION 393 (*Mellita* Agassiz, 1841)

Application published in *Bull. zool. Nomencl.* 6 : 359—360 ; decision taken on Voting Paper V.P.(54)57.

Name required to be placed on the *Official List* :

MELLITINAE Stefanini, 1911, *Boll. Soc. geol. ital.* 30 : 749 (type genus : *Mellita* Agassiz (J.L.R.), 1841)

OPINION 394 (*Portunus* Weber, 1795 ; *Macropipus* Prestandrea, 1833)

Application published in *Bull. zool. Nomencl.* 9 : 122—127 ; decision taken on V.P.(54)60 and on the supplementary Voting Paper V.P.(O.M.) (54)25.

The family-group-name problems involved were dealt with by the Commission in the Ruling given in this *Opinion*.

OPINION 395 (specific name *flavipes* Olivier, 1795, as published in the combination *Dytiscus flavipes*)

Application published in *Bull. zool. Nomencl.* 9 : 128—130 ; decision taken on Voting Paper V.P.(54)61.

This *Opinion* is concerned exclusively with specific-name problems.

OPINION 396 (*Drosophila immigrans* Sturtevant, 1921)

Application published in *Bull. zool. Nomencl.* 9 : 161—162 ; decision taken on Voting Paper V.P.(55)1.

This *Opinion* is concerned exclusively with specific-name problems.

OPINION 397 (*Hyalopterus* Koch, 1854)

Application published in *Bull. zool. Nomencl.* 9 : 163—165 ; decision taken on Voting Paper V.P.(54)87.

The generic name *Hyalopterus* Koch, 1854, was taken as the base for the name of a sub-tribe HYALOPTERII by Oestlund in 1920 (*Contrib. Knowl. Group Aphidina, Fam. Aphididae* : 69). This name has not been used by subsequent authors and was later abandoned by Oestlund himself. It is not proposed that it should be placed on the *Official List*.

OPINION 398 (*pini* Linnaeus, 1758, as published in the combination *Aphis pini*)

Application published in *Bull. zool. Nomencl.* 9 : 166—173 ; decision taken on Voting Paper V.P.(54)88.

This *Opinion* is concerned exclusively with specific-name problems.

OPINION 399 (*Lachnus* Burmeister, 1835 ; *Cinara* Curtis, 1835)

Application published in *Bull. zool. Nomencl.* **9** : 174—183, 184—187 ; decision taken on Voting Paper V.P.(54)89.

The following names require to be placed on the *Official List* :—

- (a) LACHNINAE Passerini, 1863, *Aphididae Ital.* : [7] (type genus : *Lachnus* Burmeister, 1835)
- (b) CINARINI Börner, 1930, *Arch. klass. phyl. Entom.* **1** : 125 (type genus : *Cinara* Curtis, 1835)

OPINION 400 (*Melanargia* Meigen, 1828)

Application published in *Bull. zool. Nomencl.* **9** : 221—222 ; decision taken on Voting Paper V.P.(54)94.

The following action is required :—

- (i) To be placed on the *Official List* :

MELANARGIINAE Verity, 1920, *Boll. Lab. zool. Portici* **14** : 56 (type genus : *Melanargia* Meigen, 1828)

- (ii) To be placed on the *Official Index* :

AGAPETINAE Verity, 1953, *Farf. diurn. Ital.* **5** : 3, 46 (type genus : *Agapetes* Billberg, 1820) (invalid (a) because a junior objective synonym of MELANARGIINAE Verity, 1920, the respective type genera of these taxa having the same nominal species as type species and (b) under *Declaration 20* because the name of the type genus has been suppressed under the Plenary Powers).

2. Registration of the present application : Upon the receipt of Mr. Hemming's paper containing proposals concerted with specialists in the groups concerned for dealing with the family-group-name implications involved in the cases dealt with in the *Opinions* comprised in Volume 12 of the *Opinions and Declarations* Series, the question so submitted was allotted the Registered Number Z.N.(S.) 1113.

II.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(56)10 : On 16th May 1956 a Voting Paper (V.P.(O.M.)(56)10) was issued in which each Member of the Commission was asked (1) to state whether he agreed " that, in conformity with the General Directive relating